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इस भाग में विश्व पृष्ठ संलग्न की जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2 (PART III—SECTION 2)

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से संबंधित अधिकृत जारी और नोटिस

[Notifications and Notices issued by the Patent Office. Relating to Patents and Designs]

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Calcutta, the 14th November 1987

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APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent brackets are dates claimed under Section 135, of the Patents Act, 1970.

The 6th October, 1987

778/Cal/87. American Cyanamid Company. Process for purifying alumina.

779/Cal/87. K. F. Engineering Co. Ltd. A continuous process for fermentation production. [Divisional dated 15-11-1983].

780/Cal/87. Albert Pariente-Cohen. Honary apparatus with analogical display.

The 7th October, 1987

781/Cal/87. Siemens Aktiengesellschaft. Starting rotation of a turbine shaft.

782/Cal/87. Lindauer Dornier Gesellschaft M.B.H. Multi-system weaving loom.

783/Cal/87. A. H. Robins Company, Incorporated. A process for the preparation of an aromatic or heterocyclic oxazepine or thiazepine. [Divisional dated 27th September, 1983].

784/Cal/87. A. H. Robins Company Incorporated. A Process for the preparation of an aromatic or heterocyclic oxo-Zepine. [Divisional date 27th Sept., 1983].

785/Cal/87. Hitachi Ltd. A control apparatus for an induction motor.

786/Cal/87. Phillips Petroleum Company. Process for acidizing subterranean formation in oil recovery.

The 9th October, 1987

787/Cal/87. Fidia, S.p.A. Cross-linked esters of hyaluronic acid.

788/Cal/87. (1) Wu-Chen Chuang, (2) Chi-Shuang Huang, (3) Vincent Chuang. A weaving loom with a magnetic shuttle.

789/Cal/87. Steelsworth Pvt. Ltd. Improvements in or relating to etc machines used in processing of tea leaves.

The 12th October, 1987

790/Cal/87. E.I. Du Pont De Nemours and Company. Knit structure dyeing before tufting carpets.

791/Cal/87. Georg Fischer Ag. Apparatus and method for fusion joining plastic pipe.

792/Cal/87. Carrier Corporation. Memory optimization of nc machines for cutting radially varying non-circular curves.

793/Cal/87. PKI Verpackungssysteme GmbH. A nozzle with at least one opening or jet-orifice for filling machines and similar devices of liquid products.

794/Cal/87. Shri Allada Krupakara Rao. An anti roll device using stabiliser fins with jets for small boats crossing surf.

795/Cal/87. Desh Bandhu Birendra. A plant to protect the mountain from its corrosion or destruction and to generate energy controlling flood.

The 13th October, 1987

796/Cal/87. Biran Kumar Pathak. Mechanical regenerative braking device for Bi-cycle, Tri-cycle, motor cycle, motor scooter, electric motor, generator etc.

797/Cal/87. Vsesojuzny Nauchno-Issledovatelsky Proektno-konstruktorsky I Tekhnologichesky Institut Elektrotermicheskogo Oborudovaniya (Vnileto). Process for growing shaped single crystals.

798/Cal/87. Kelsey Hayes Company. Method and apparatus for testing a vehicle anti-skid brake system.

799/Cal/87. Priyadarshi Biswas. Exciter for fluorescent tube lights and the like.

800/Cal/87. Signam Limited. Protective shield for a vehicle lamp assembly. (Convention dated 14th October, 1986) United Kingdom.

APPLICATION FOR THE PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, NEW DELHI-5

The 7th September, 1987

783/Del/87. Council of Scientific and Industrial Research, "Improvements in or relating to the electrolytic preparation of erythrosins or eosin".

784/Del/87. Council of Scientific and Industrial Research, "An improved process for the preparation of a high silica zeolite catalyst composite material".

785/Del/87. Hughes Aircraft Company, "Low temperature thermo-electrochemical system and method".

786/Del/87. Svenska Rotor Maskiner AB, "Heat exchangers". (Convention date 12th September, 1986) (U.K.).

787/Del/87. UOP Inc. "High macropore catalyst for the selective hydrogenation of olefinic hydrocarbons".

The 8th September, 1987

788/Del/87. The Lubrizol Corporation, "Metal salt fuel additive stabilized with a thiadiazole".

789/Del/87. Telefonaktiebolaget L.M. Ericsson, "Method and device to execute two instruction sequences in an order determined in advance".

790/Del/87. The Lubrizol Corporation, "Sulfur-coupled dithiocarbamates".

791/Del/87. Nauchno-Proizvodstvennoe Obiedinenie "Med-instrument", "Intrauterine contraceptive device".

The 9th September, 1987

792/Del/87. Devendra Kumar. "Treatment of spent wash (Effluent) of distilleries manufacturing ethyl alcohol".

793/Del/87. Vivek Mull and Shree Krishnakeshav Laboratories Ltd., "Cap seals for bottles and like containers".

794/Del/87. Diabrasive International Ltd., "A flexible abrasive coated article and method of making it." (Convention dates 15th September, 1986, 27th February, 1987 & 21st July, 1987) (Canada).

The 10th September, 1987

795/Del/87. Dorr-Oliver Incorporated, "Ash classifier".

796/Del/87. Sanford Redmond, "Asymmetric stress concentrator for dispenser package".

797/Del/87. Process Evaluation and Development Corporation "Peadco", "Process for making a pulp from bamboo".

798/Del/87. Sharp Tools (Pvt.) Ltd., "Improved thread rolling die".

The 11th September, 1987

799/Del/87. Council of Scientific and Industrial Research, "A process for making test papers for testing of iodized salt".

800/Del/87. The Director, Central Council for Research in Ayurveda & Siddha, "A process for the preparation of a medicated oil from *wrightia tinctoria*".

801/Del/87. Societe Nationale D'Etude Et De Construction De Moteurs D'Aviation S. N. E. C. M. A., "Shell-Moulds for casting, and the manufacture of such moulds".

802/Del/87. Hollingsworth (U.K.) Ltd., "Improved roving". (Convention date 30th September, 1986) (U.K.).

The 14th September, 1987

803/Del/87. Centrem S.A., "Method and device for producing and further processing metallic substances".

804/Del/87. The B.F. Goodrich Company, "Recovery of ethylene, chlorine and HCl from vented waste gas from direct chlorination reactor".

The 15th September, 1987

805/Del/87. Bakhtawarlal Sood, "Sood water Pump".

806/Del/87. The Electricity Council, "Remote protection of three phase distribution transformers". (Convention date 30th September, 1986) (U.K.).

807/Del/87. Pasildo-Danish Turnkey Dairies A/S, cheese-like product a process of its preparation and the use thereof".

808/Del/87. Donald F. Almblad, "Reinforced shank plastic key".

809/Del/87. Vasant Kumar Chordia, "A yarn clearer device for use with textile winding machine".

The 16th September, 1987

810/Del/87. Thomas Josef Heimbach GmbH & Co., "A machine felt, and a method for manufacturing same".

811/Del/87. Alumina Espanola, S.A., "A method for the obtention of special alumina from the powder produced in the calcination of metallurgical alumina".

812/Del/87. Nauchno-Proizvodstvennoe Obiedinenie "Medinstrument", "Intrauterine contraceptive device".

813/Del/87. G. D. Seigell & Company (P) Limited, "The Double bond hose clamp".

The 17th September, 1987

814/Del/87. Prabhat Kumar, "An improved system for air cooling-conditioning".

815/Del/87. W.R. Grace & Co., "Method for refining glyceride oils using partially dried silica hydrogels".

816/Del/87. The Lubrizol Corporation, "Lubricant composition".

The 18th September, 1987

817/Del/87. Council of Scientific and Industrial Research, "A process for reducing the content of lactose in products containing lactose like milk, whey and other dairy products and the products resulting therefrom".

818/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of microbial cells having permeability to lactose and capable of hydrolysing lactose and useful for reducing the content of lactose in lactose containing products like milk, whey and other dairy products".

819/Del/87. Council of Scientific And Industrial Research, "An improved process for the preparation of a thermosetting acrylic paint".

820/Del/87. Council of Scientific and Industrial Research, "A process for preparation of stabilised high ash coal-oil slurries using a starch based additives".

821/Del/87. Council of Scientific and Industrial Research, "Electronic control device for electrochemical dissolution process".

822/Del/87. Exxon Chemical patents Inc., "Middle distillate compositions with reduced wax crystal size". (Convention date 24th September, 1986 & 17th August, 1987) (U.K.).

823/Del/87. Exxon Chemical Patent Inc., "Chemical compositions and use as fuel additives". (Convention date 24th September, 1986 & 17th August, 1987) (U.K.).

824/Del/87. Exxon Chemical Patents Inc., "Improved fuel additives". (Convention date 24th September, 1986 & 17th August, 1987) (U.K.).

825/Del/87. Zaklady Azotowe Im. F. Dzierzynskiego, "Method of oxidation of cyclohexane in liquid phase".

826/Del/87. Solvay & Cie., "Catalytic solid which can be used for the stereospecific polymerization of alpha-olefins, process for the preparation thereof and process for the polymerization of alpha-olefins in the presence thereof".

827/Del/87. EMS Electronic Motor Systems AB., "A motor energizing circuit".

828/Del/87. Digital Equipment Corporation, "Massively parallel array processing system".

The 21st September 1987

829/Del/87. UOP Inc., "Control of polynuclear aromatic by-products in a hydrocracking process".

The 22nd September 1987

830/Del/87. Dr. Sujoy Kumar Guha, "Cooled helmets for scooter and motorcycle riders".

831/Del/87. Vasant Kumar Chordia, "A splicer for splicing the ends of yarn".

832/Del/87. Gomaco India Private Limited, "A paver concrete".

833/Del/87. Pfizer Hospital Products Group, Inc., "Drainage device and support hanger".

834/Del/87. EMS Electronic Motor Systems AB., "A motor energizing circuit".

835/Del/87. Orbital Engine Company Proprietary Limited, "Improvements relating to fuel injection systems for internal combustion engines". (Convention date 23rd September, 1985 & 13th March, 1987) (Australia).

836/Del/87. The Lubrizol Corporation, "Titanium and Zirconium complexes, and fuel compositions".

837/Del/87. The General Electric Company Plc., "Computer system".

(Convention date 24th September, 1986) (U.K.).

The 23rd September 1987

838/Del/87. Maneesh Sharma, "Foot rest for Indian type water closet".

839/Del/87. Maneesh Sharma, "Toothbrush".

840/Del/87. The Lubrizol Corporation, "Borated overbased material".

841/Del/87. Contempo Products, P. Herrli, "Two-piece coupling device for fluid exchange".

842/Del/87. Laboratories Beaufour, "Process for preparing soluble and/or splitable tablets and tablets thus obtained".

(Convention date 14th October, 1986) (U.K.).

843/Del/87. Uniroyal Chemical Company, Inc., "Process for the production of diphenylamine".

844/Del/87. Dorr-Oliver Incorporated, "Apparatus to reduce or eliminate fluid bed tube erosion".

845/Del/87. Hughes Aircraft Company, "Method for securing a slow-wave structure in enveloping structure with crimped spacers".

24th September 1987

846/Del/87. The Johnson Corporation, "Rotary joint with balanced seals".

847/Del/87. Council of Scientific and Industrial Research, "An improved catalyst useful for the preparation of carboxylic Acids".

848/Del/87. Council of Scientific and Industrial Research, "An improved process for the preparation of carboxylic acids".

25th September 1987

849/Del/87. Jagdish Prakash Mathur, "Improvements in or relating to heat detectors".

850/Del/87. Jagdish Prakash Mathur, "Improvements in or relating to link springs having fusible alloy joints used in fixed temperature heat detectors".

851/Del/87. Sir Padampat Research Centre, "A process for producing hydrophilic acrylic fibre".

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH
61, WALLAJAH ROAD, MADRAS 600 002

The 21st September 1987

678/Mas/87. V. A. Mohamed, "Improvements in or relating to the method of fixing a set of inserts to the mould in the manufacture of precast members using cement concrete or any similar material".

679/Mas/87. V. A. Mohamed, "Improvements in or relating to inserts for driving screws or nails in precast frames and other members made of cement concrete or any similar material".

680/Mas/87. Ammonia Casale S.A. & UMBERTO ZARDI, "System and device to make catalytic baskets walls for heterogeneous synthesis reactor".

681/Mas/87. Foseco International Limited, "Feeder Sleeves". (October 14, 1986; United Kingdom).

682/Mas/87. Stratoflex, Inc., "Crimping machine for hose and fitting assemblies".

683/Mas/87. Seikenkai Foundational Juridical Person, "A process for preparing a biodeodorizer". (Divided out of Patent Application No. 548/Mas/85).

584/Mas/87. Seikenkai Foundational Juridical Person, "A process for preparing a biodeodorizer". (Divided out of Patent Application No. 548/Mas/85).

The 22nd September 1987

685/Mas/87. The Boeing Company, "Two-stage aircraft landing gear".

686/Mas/87. Societe Des Produits Nestle S.A., "Water soluble extract with bread-like flavours".

687/Mas/87. Rosemount Inc., "Digital converter apparatus for improving the output of a two-wire transmitter".

688/Mas/87. Norzon Management Limited, "Processing of biological products".

689/Mas/87. Isoworth Limited, "Connector for pressurised gas".

The 23rd September 1987

690/Mas/87. Caterpillar Inc., "Metering slot configuration for a valve spool". (March 11, 1987; Canada).

691/Mas/87. Maschinenfabrik Rieter AG, "Tube gripping system for winder chuck".

692/Mas/87. Maschinenfabrik Rieter AG, "Open and friction spinning device for production of a yarn or the like and method for production of friction spinning means".

693/Mas/87. SMS Schloemann-Siemag Aktiengesellschaft, "Process and apparatus for making hot-rolled steel strip".

The 25th September 1987

604/Mas/87. Lucas Industries Public Limited Company, "Wedge and Roller Actuator". (September 26, 1986; Great Britain).

695/Mas/87. Foseco International Limited, "Vertically split mould having a ceramic form filter therein".

ALTERATION OF DATE

161371.
(455/Mas/85)

Ante dated to 10th May, 1984.

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 189 & 32 F₃(a) 161321

Int. Cl. : C 11b—9/00.

IMPROVEMENTS IN OR RELATING TO THE PROCESS FOR THE PREPARATION OF 3-METHYL-BUT-2-ENE-1-YL ACETATE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAJAT BARAN MITRA, GURUNATH HANAMANTHRAO KULKARNI, RAMCHANDRA SHRINIWAS JOSHI, PRAHLAD NARAIN KHANNA, KHUSHI CHAND, FAKIRCHAND LUNKAD AND SUBHASH CHAMPALAL SHANA.

Application for Patent No. 664/Del/84 filed on 16th August, 1984.

Complete specification left on 27th May, 85.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An improved process for the preparation of 3-methyl-but-2-ene-1-yl-acetate (prenyl acetate) which comprises refluxing a mixture of 1-chloro 3-methyl-but-2-ene(prenyl chloride) and 3-chloro 3-methyl-but-2-ene-c-yl (isoprenyl chloride) with alkali metal acetates in the presence of a phase transfer catalyst and an organic solvent, distilling off the solvent, diluting the reaction mixture with water, extracting the mixture with an organic solvent and distilling the product.

Compl. specn. 6 pages.

Drg. 1 sheet

CLASS : 131 B₄ 161322

Int. Cl. : E21c 3/00.

ROCK DRILLING AND ROCK BOLT SETTING DEVICE.

Applicant : VEREINIGTE EDELSTAHLWERKE AKTIENGESELLSCHAFT(VEW), OF ELISABETHSTRASSE 12, 1010 VIENNA, AUSTRIA, AN AUSTRIAN COMPANY.

Inventors : ULRICH HOLTSCHULTE, OSKAR KOHTAN, GUSTAV SCHATZMAYR & KONRAD SCHON.

Application for Patent No. 530/Del/84 filed on 2nd July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A rock drilling and rock bolt setting device connectable by means of a carriage and carriage holder to a drilling rig or other tunneling machine, said device comprising :

- a longitudinally extending skid on said carriage;
- a drilling motor slide along said skid;
- a plurality of drilling rod guide means, a pivotable rock bolt magazine;
- a rock bolt support for setting said rock bolts;
- a rock bolt setting wrench movable on said carriage and slideable along said skid;
- characterised in said drilling rod guide means are provided with drilling rod supports connected to a common shaft, one of said drilling rod supports being rigidly connected to said shaft while

other said drilling rod supports are rotatably connected to said common shaft;

said pivotable rock bolt magazine being provided on a rock bolt magazine support, said rock bolt magazine support being rotatably mounted on said common shaft;

a rock bolt setting wrench support also rotatably and slidably mounted on said common shaft;

the drilling rod supports and the rock bolt setting wrench support being set of the same distance from said common shaft; and

said drilling rod magazine being rotatable such that any drilling rod stored therein is movable to a position which is the same distance from said common shaft as said drilling rod supports and said rock bolt support.

Compl. specn. 16 pages.

Drg. 3 sheets

CLASS : 140A₂

161323

Int. Cl. : C10m 1/08.

PROCESS FOR THE PREPARATION OF AN IMPROVED CRUDE OIL OR PETROLEUM FRACTION.

Applicant : SOCIETE NATIONALE ELF AQUITAINE, A FRENCH COMPANY, OF TOUR AQUITAINE, 92400 COURBEVOIE, FRANCE.

Inventors : BERNARD DAMIN, ALAIN FAURE, PAUL MALDONADO & JEAN LUC VOLLE.

Application for Patent No. 554/Del/84 filed on 9th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the preparation of an improved crude oil or petroleum fraction which comprises reacting an alpha-poly-propoxylated succinic anhydride with N-oleyl propeniamine in a mole ratio of about 2:1 and incorporating into a crude oil or petroleum fraction the resulting alpha-polypropoxylated N-olekonyl-succinimide in a concentration by weight of from 100 to 1000 ppm.

Compl. specn. 13 pages.

Drg. 1 sheet

CLASS : 32F₄(a)

161324

Int. Cl. : C07c 31/20.

PROCESS FOR PREPARING ETHYLENE GLYCOLS.

Applicant : THE HALCON SD GROUP, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, HAVING ITS OFFICE AND PRINCIPAL PLACE OF BUSINESS AT 2 PARK AVENUE, NEW YORK, NEW YORK-10016, UNITED STATES OF AMERICA.

Inventors : VIJAY SHARATCHANDRA BHISE & HAROLD GUIMAN.

Application for Patent No. 574/Del/84 filed on 13th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for preparing ethylene glycols comprising :

- (a) reacting ethylene with molecular oxygen in the vapor phase over a supported silver catalyst to produce an effluent comprising ethylene oxide, unreacted ethylene, carbon dioxide and water;

- (b) scrubbing said effluent of (a) with a recirculating aqueous stream to absorb the ethylene oxide formed in said reaction of (a) to produce an enriched aqueous stream having substantial amounts of ethylene oxide;
- (c) stripping in a first vapor-liquid contacting column the enriched aqueous stream of (b) to remove the absorbed ethylene oxide therefrom as a vapor stream;
- (d) partially condensing in a known manner the ethylene oxide-containing vapor stream of (c), separating in a known manner liquid condensed therefrom, and returning said liquid as reflux to said vapour liquid contacting column;
- (e) scrubbing the remaining ethylene oxide containing vapor in a second vapor liquid contacting column with an aqueous solution comprising ethylene carbonate, ethylene glycol, and carbonation catalyst as herein defined to absorb substantially all of the ethylene oxide and water content of said vapor to form an ethylene carbonate solution enriched in ethylene oxide;
- (f) adding carbon dioxide to said enriched solution of (e) and thereafter reacting ethylene oxide and carbon dioxide contained in said solution in the presence of an effective amount as herein described of said carbonation catalyst to form ethylene carbonate;
- (g) stripping the reacted solution of (f) to remove unreacted ethylene oxide and carbon dioxide therefrom;
- (h) adding water to said stripped solution of (g) and reacting ethylene carbonate with water to form ethylene glycols.

Compl. specn. 17 pages.

Dig. 2 sheets

CLASS : 129A

161325

Int. Cl. : B21d 13/10.

APPARATUS FOR BENDING A ROLLING MILL LAYING PIPE.

Applicant : MORGAN CONSTRUCTION COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE COMMONWEALTH OF MASSACHUSETTS, U.S.A., OF 15 BELMONT STREET, WORCESTER, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : HAROLD ERNEST WOODROW.

Application for Patent No. 616 Del. 1984 filed on 30th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

Apparatus for bending a rolling mill laying pipe, comprising :

a holder for removably retaining one end of a straight pipe section, with the axis of said pipe section being coincident with a reference axis;

first guide means being arranged along a first path curving away from said reference axis and against which a portion of the thus retained pipe section may be bent by any known bending means and permanently deformed into a two-dimensional configuration; and

second guide means also carried on said holder, said second guide means being arranged along a second path curving away from said reference axis and against which the thus retained and pre-bent pipe section may be bent by any known bending means and permanently deformed into a three-dimensional helical configuration.

Compl. specn. 14 pages.

Dig. 9 sheets

CLASS : 143D4 & 13A

161326

Int. Cl. : B65b 9/00, B65d 33/16, 33/36, 53/00 & 75/58.

A POUCH FOR HOLDING AND DISPENSING OF A LIQUID.

Applicant : UNISYSTEMS PRIVATE LIMITED OF 25, COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI-110065, INDIA, AN INDIAN COMPANY.

Inventor : KAMAL MEATTLE.

Application for Patent No. 676/Del/84 filed on 25th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A pouch for holding and dispensing liquid material comprising :

a front sheet and a rear sheet sealed along their longer side, and having a base formed by sealing the two sheets along an arcuate path near one end a top seal formed near the other end extending across the width of the sheets;

an oblique tear zone being provided at one corner between the top side and a longer side of the sheets characterized in that an additional seal between the two sheets is provided in their upper portion spaced away and below the top seal defining a discharge passage therebetween said additional seal extending from the longer side having the tear zone and terminating at a distance from the opposite longer side to define a flow passage which is in flow communication with said discharge passage, the sealing of the sheets having been effected by application of heat.

Compl. specn. 8 pages.

Dig. 1 sheet

CLASS : 90T & 146D1

161327

Int. Cl. : C03b 37/00 & C02b 1/00.

OPTICAL FIBRE PULLING TOWER.

Applicant : STANDARD TELEPHONES AND CABLES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF 190 STRAND, LONDON WC2R 1DU, ENGLAND.

Inventors : KENNETH GEORGE HOWARD & IAN EDWARD TITTLE.

Application for Patent No. 690/Del/84 filed on 3rd September, 1984.

Convention date 3rd September, 1983/8323692 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

An optical fibre pulling tower comprising an elongate tubular structure of cast synthetic granite epoxy concrete such as herein described with metal mounting plates cast in situ, a preform holding chuck, surface and coating equipment, each being secured to the structure by means of the metal mounting plates.

Compl. specn. 10 pages.

Dig. 2 sheets

CLASS : 32E₂ & 40A₂

161328

Int. Cl. : C08q-20/00 & 41/02.

AN APPARATUS FOR BATCH POLYMERIZATION OF AQUEOUS NYLON SALT.

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19 UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN INSTITUTE.

Inventors : BALKAR SINGH, PRAVEEN KUMAR KAICKER & VIRENDER KUMAR TANDON.

Application for Patent No. 702/Del/84 filed on 6th September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, New Delhi-110005.

8 Claims

An apparatus for batch polymerization of aqueous nylon salt comprising :

- a reactor having an inlet for introduction of aqueous solution of the salt;
- a discharge conduit for discharge of the vapours from said reactor;
- an outlet at the base of said reactor for discharge of the molten polymer;
- a jacket for a heating fluid provided along a part of the reactor and, an upper plate and a lower plate provided in the remaining part of said reactor;
- a plurality of pipes concentrically secured to said plates and inlet and outlet provided in said remaining part of the reactor for allowing flow of a heating fluid.

Compl. specn. 8 pages.

Drg. 1 sheet

CLASS : 32F₂(b), 55E4.

161329

Int. Cl. : C07d 43/20.

PROCESS FOR THE PRODUCTION OF ERGOMETRINE BY FERMENTATION USING A NEW STRAIN OF CLAVICEPS PASPALI.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : KAINOOR KRISHNANKUTTY JANARDHANAN & AKHTAR HUSAIN.

Application for Patent No. 744/Del/84 filed on 24th September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, New Delhi-110005.

4 Claims

A process for the production of ergometrine which comprises fermenting a new strain of claviceps paspali in a nutrient medium as herein described and extracting ergometrine from the culture broth by solvents extraction.

Complete specification 8 pages.

CLASS : 117C.

161330

Int. Cl. : E05b 55/00.

LINEARLY SLIDABLE LOCK.

Applicant : KRISHNA KANT PURI, A CITIZEN OF INDIAN OF 23(SOUTH) BASTI HARPPOOL SINGH, SADAR BAZAR, DELHI-110006.

Inventor : KRISHNA KANT PURI.

Application for Patent No. 954/Del/84 filed on 21st December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, New Delhi-110005.

12 Claims

A linearly slidable lock comprising of :

- a base plate within which are disposed a pair of separate parts;
- first part of which comprises of a resiliently urged linearly slidable lock lever assembly having a locking plate and a cover thereof;
- said lock lever assembly having a pair of trunions at one end thereof engagable into two apertures of the second part, and the resilient means urging the other end thereof in the direction of the said second part upto a specified point;
- said second part having said two apertures and a projection for engaging a hasp or the like fixed to the lid of baggage or container;
- such that when the baggage or container is closed;
- said projection of the second part engages said hasp with simultaneous engagement of said trunions into the said apertures.

Compl. specn. 13 pages.

Drg. 3 sheets

CLASS 172-C₁, 2₂.

161331

Int. Cl. D 04 h 1/00.

PROCESS AND APPARATUS FOR PRODUCING UNIFORM FIBROUS WEB AT HIGH RATE OF SPEED.

Applicant : CHICOPEE, OF 317 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY 08903, UNITED STATES OF AMERICA.

Inventors : 1. ERNEST GUSTAF LOVGREN, 2. PRAKASH KUMAR GOYAL.

Application No. 308/Cal/83 filed March 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 claims

A process for producing a highly uniform web of fibers at high rates of speed as herein described, said method comprising the steps of :

- (1) feeding an array of fibers to a rotating toothed roll adapted for opening fibers, to open the fibers;
- (2) transferring the opened fibers from said rotating toothed roll to the surface of a rotating toothed cylinder at a first position;
- (3) carrying the fibers around the periphery of said cylinder from said first position to a second position spaced a predetermined distance around said periphery from said first position, wherein during at least a portion of said predetermined distance said fibers are brought into operative contact with combining means to individualize said fibers;

(4) substantially uniformly dispersing the individualized fibers from the rotating toothed cylinder at said second position into an air stream that is flowing past the periphery of the rotating cylinder at said second position, said air stream being characterized by :

- a velocity at said second position that is higher than the peripheral speed of the rotating toothed cylinder;
- being substantially tangential to the periphery of said cylinder at said second position; and
- being concurrent with the direction of rotation of said cylinder at said second position;

(5) carrying the dispersed fibers in said air stream until the fibers contact moving foraminous condensing means; and

(6) allowing the air to pass through said condensing means while collecting the fibers on said condensing means in the form of a web of fibers, said web being characterized by excellent uniformity.

Compl. Specn. 31 pages. Drgs. 4 sheets.

CLASS : 172-E.

161332.

Int. Cl. B 65 h 54/00.

A METHOD OF PREPARING POLYCAPRONAMIDE YARN WINDINGS AND WINDINGS OBTAINED THEREBY.

Applicant : SNIA FIBRE S.p.A., OF VIA FRIULI 55, CESANO MADERNO, PROVINCE OF MILANO, ITALY.

Inventors : 1. FRANCESCO D'ANDOLFO, 2. FUT VIO GRAMPA.

Application No. 817 Cal/83 filed June 30, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 claims

A method of preparing windings of continuous multi-filament yarn of polycapronamide (Nylon 6), comprising the steps of extruding the polymer in the molten state to form filaments, cooling the filaments by blowing, dressing and winding the multi-filaments yarn comprises of said filaments to suit a desired unwinding form, and characterized in that :

- cooling the yarn by gas having a relative humidity content of 45 to 95%, at a temperature in the 20 to 40°C range, for a time period in the 0,010 to 0,045 seconds range;
- applying on the yarn a diluted finishing dressing aqueous emulsion having a concentration of finishing agent in water in the 1% to 12% range by weight;
- said yarn is entwinded pneumatically to reach a numbers of interlacings in the 5 to 30 per meter range is achieved; and
- following said cooling step and until the winding step is initiated, said yarn is kept in an environment having a temperature of 20 to 40°C and a relative humidity of no less than 50%, so that such humidity and temperature conditions prevail in the immediate proximity of the yarn, the remaining portion of said environment, even at a short distance away from the yarn, being allowed to be entirely or partly in different conditions of temperature and humidity.

Compl. Specn. 33 pages. Drgs. 3 sheets.

CLASS : 60-F.

161333.

Int. Cl. B 63c 11/02.

AN EMBOSSED THIN PROTECTIVE ABSORBENT LINER FOR UNDERGARMENTS.

Applicant : PERSONAL PRODUCTS COMPANY, OF VAN LIEW AVENUE MILLTOWN, NJ 08850, UNITED STATES OF AMERICA.

Inventors : 1. THOMAS JOSEPH LUCERI, 2. KENNETH JOHN MOLEE.

Application No. 1059/Cal/83 filed August 31, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 claims

An embossed thin protective absorbent liner for undergarments, including a multiplied absorbent body and comprising :

a sheet of absorbent material having a longitudinal direction and a transverse direction;

a plane absorbent insert having one major surface overlying a longitudinally extending central portion of said sheet;

said sheet extending on either side of said insert and said extensions of said sheet being folded onto the other major surface of said insert to form said multiplied absorbent body wherein said central portion comprises the side of the absorbent body facing the wearer's body and said extensions comprise the garment facing side of the of the absorbent body with the folded edges between the extensions and the central portion comprising the longitudinal edges of the absorbent body;

said side of absorbent body facing the wearer's body having a pattern of relatively deep depressed areas imposed therein and said longitudinal edges have a pattern of relatively shallow depressed areas imposed therein;

whereby said deep depressed areas provide clear visual definition of said pattern on the body facing surface of said liner and said shallow depressed areas ensure user comfort.

Compl. Specn. 21 pages Drgs. 3 sheets.

CLASS : 90-H.

161334.

Int. Cl. B 01 j 1/00; C 03 c 1/00, 3/00.

A PROCESS FOR THE PRODUCTION OF A GLASS OR CERAMIC ARTICLE.

Applicant : CORNING GLASS WORKS, OF CORNING, NEW YORK, N.Y. 14831, UNITED STATES OF AMERICA.

Inventors : 1. STEPHEN BRUCE MILLER, 2. RONALD LEROY STEWART, 3. DAVID ALLEN THOMPSON.

Application No. 1130/Cal/83 filed September 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

A process for the production of a glass or ceramic article comprising a vapour phase oxidation which process comprises :

(i) oxidizing vaporized compounds comprising at least one β -diketonate complex of a metal selected from Groups IA, IB, IIA, IIB, IIIA, IIIB, IVA, IVB and there are earth series of the Periodic Table by reacting with oxygen in the vapour phase to form particulate oxide soot, and

(ii) thereafter collecting the oxide soot and consolidating to a unitary article by sintering.

Compl. Specn. 25 pages. Drgs. 3 sheets.

CLASS : 4-B.

161335

Int. Cl. B 64 c 27/04.

DEVICE FOR USE AS TAIL ROTOR ARRANGEMENT FOR ROTARY WING AIRCRAFT.

Applicant : SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE S.A. OF 37 BLD DE MONTMORENCY, 75016, PARIS, FRANCE.

Inventors : 1. ALAIN VUILLET, 2. FRANCOISE JEANNE MORELLI (Ms.).

Application No. 1201 Cal/83 filed September 30, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A device for use as a tail rotor arrangement for rotary wing aircraft, said aircraft having a tunnel of axis transverse to said aircraft and in which is disposed a multiblade rotor coaxial to said tunnel and generating a transverse air flow and, on the other hand, provided to recover in the form of axial thrust the energy of rotation of the air flow at the outlet of the rotor, wherein said device comprises a monolithic assembly of a plurality of fixed blades, disposed inside said tunnel downstream of said rotor with respect to said air flow so that said blades are at least substantially radial with respect to said tunnel;

said plurality of fixed blades being arranged such that the distance separating the trailing edges of each of said plurality of fixed blades is at least equal to one the length of the chord of the profile of said rotating blades

Compl. Specn. 18 pages. Drgs. 3 sheet.

CLASS : 32-E; 152-E.

161336.

Int. Cl. C 08 f 37/00; C 08 d 9/00, 13/28.

A PROCESS FOR PREPARING A VULCANIZED POLYMER COMPOSITION.

Applicant : POLYSAR LIMITED, OF SARNIA, ONTARIO, CANADA.

Inventor : 1. JOHN ROBERT DUNN.

Application No. 1506/Cal/83 filed December 8, 1983.

Convention dated 8th December, 1982 (417,261) Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 claims

A process for preparing a vulcanized polymer composition comprising heating an admixture of (i) a copolymer of a C 4—6 conjugated diene and a C 3—5 α ; B-unsaturated nitrile, the carbon-carbon double bond saturation of said copolymer having been selectively hydrogenated such that the remaining unsaturation is from less than 1 to 0.05 mole per cent of said copolymer, and (ii) a sulfur vulcanization system said sulfur vulcanization system comprising from 0.2 to 6 parts by weight of accelerators per 100 parts by weight of said copolymer, and, optionally, from 0.1 to 2 parts by weight of elemental sulfur per 100 parts by weight of said copolymer, said heating being at a temperature of from 135°C to 200°C for a period of from 2 minutes to 15 hours.

Compl. Specn. 25 pages. Drg. nil.

CLASS : 32-F₂ c.

161337

Int. Cl. C 07 c 125/00, 127/00.

PROCESS FOR PREPARING UREA.

Applicant : UNIE VAN KUNSTMESTFABRIEKEN B.V., OF MALIEBAAN 81, 3581 CGUTRECHT, THE NETHERLANDS.

Inventors : 1. ADNREAS JOHANNES BIERMANS, 2. HENK CHRISTIAAN BURKS.

Application No. 1552 Cal/23 filed December 20, 1983.

2—327GI '87

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 claim

Process for preparing urea from carbon dioxide and ammonia, in which a urea synthesis solution is obtained by separating, in a low-pressure zone, the aqueous urea solution formed in the urea synthesis zone after removal of most of the ammonium carbamate not converted into urea into an aqueous urea solution and a gas mixture containing NH₃, CO₂ and H₂O and condensing this gas mixture and recirculating the ammonium carbamate solution thus obtained to the urea synthesis zone while supplying an aqueous solution obtained by condensing the gas mixture separated off in the concentration of the aqueous urea solution, characterized in that the density and the saturation temperature at the ammonium carbamate solution is measured and the percentages of NH₃, CO₂ and H₂O are determined on the basis of densities and saturation temperatures measured in respect of solution of known composition, the quantity of the aqueous solution supplied being adjusted on the basis of the composition of the ammonium carbamate solution to be recirculated to the synthesis zone.

Compl. Specn. 9 pages. Drgs. 2 sheets.

CLASS : 98-G.

161338.

Int. Cl. F 28 d 7/00.

ENERGY DISPLACEMENT APPARATUS FOR A DESULPHURIZATION PLANT.

Applicant : GEA LUFTKUHLERGESELLSCHAFT HAPPEL GMBH & CO. OF NO. 43-47, KONIGSALLE, 4630 BOCHUM, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. KLEMENS RUFF, 2. LUDWIG SUHR, 3. PAUL PAIKERT.

Application No. 576/Cal/84 filed August 18, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 claims

An energy displacement apparatus for a desulphurization plant in which a heat exchanger is incorporated into the flow of crude gas upstream of a scrubber, the heat exchanger being connected, by an automatically guided fluid heat carrier and in a manner ensuring an exchange of fluid, with a further heat exchanger incorporated into the flow of pure gas downstream the scrubber, the heat exchangers, which may have filled heat exchanger pipes, and the transfer pipes being made of pressure-resistant material, such as steel, characterized in that the flow of crude gas (ROS), between the heat exchanger (3) and the scrubber (5) and also the flow of pure gas (RES), between the scrubber (5) and the heat exchanger (7), incorporate a heat exchanger (4 and 6), respectively, in each case operating at a temperature level lower than 100°C and having pipes or hoses (19) made of material as herein defined, which are interconnected, in such a manner as to divide the heat carrier, by transfer lines (15 and 16) of a material as herein defined which is likewise at least corrosion-proof, all those parts (33-37) of the low temperature heat exchangers (4 and 6) which are in contact with the gas being covered or coated with a corrosion-resistant and anti-adhesive plastics material.

Compl. Specn. 24 pages. Drgs. 6 sheets.

CLASS : 28-E.

161339.

Int. Cl. F 23 d 1/00.

PULVERIZED FUEL BURNER NOZZLE TIP AND SPLITTER PLATE THEREFOR.

Applicant : COMBUSTION ENGINEERING INC. OF 1000 PROSPECT HILL ROAD WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : 1. JOHN GRUSHKA.

Application No. 139/Cal/84 filed February 25, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

A nozzle tip for a burner on a pulverized fuel fired furnace comprising :

- (a) an open-ended inner shell having an inlet and an outlet end and defining therebetween a flow passageway through which a mixture of pulverized fuel and transport air passes from the burner into the furnace;
- (b) an open-ended outer shell spaced from and surrounding said inner shell thereby defining an annular flow passageway therebetween through which additional air passes from the burner into the furnace; and
- (c) first and second splitter plates disposed within said inner shell, each having a leading edge portion disposed transversely across the flow passageway of said inner shell at the inlet end thereof and a trailing edge portion extending transversely across the flow passageway of said inner shell at the outlet end thereof, said first and second splitter plates converging at the inlet end of said inner shell and extending outwardly therefrom in a diverging manner toward the outlet end of said inner shell, said first and second splitter plates thereby dividing the flow passageway through said inner shell into a first flow passage bounded by the first splitter plate and said inner shell and a second flow passage bounded by the second splitter plate and said inner shell, said first and second flow passages diverging in the direction of flow through the nozzle tip and being spaced apart at the outlet end of the nozzle tip so as to establish a void region therebetween through which flow directly from the nozzle tip is precluded the trailing edge portion of each of said first and second splitter plates being formed of a plurality of longitudinally elongated strips extending longitudinally outwardly from leading edge portion of each of said first and second splitter plates in a side-by-side relationship transversely across the flow passageway of said inner shell, a first portion of said trailing edge strips disposed alternatively between a second portion of said trailing edge strips and bent radially away from the leading edge portion of each of said first and second splitter plates thereby forming a scalloped trailing edge portion of each of said first and second splitter plates.

Compl. Specn. 18 pages. Drgs. 4 sheets.

CLASS : 129-B, G & O.

161340.

Int. Cl. B 21 c 37/00.

APPARATUS FOR DRAWING ON TRANSVERSE RIBS.

Applicant : GEA LUFTKUHLERGESELLSCHAFT HAPPEL GMBH & CO., OF NO. 43-47, KONIGSALLEE, 4360 BOCHUM, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HEINRICH SCHULENBERG, 2. OTTO WISSE.

Application No. 105/Cal/85 filed February 12, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

An apparatus for drawing transverse ribs onto smooth tubes, which incorporates a stamping machine with a drive for producing the transverse ribs and a drawing-on bench which carries the smooth tubes to be ribbed and which has a flight-attachment chain arrangement moved by the stamping machine drive and having at least two continuously rotating endless flight-attachment chains which extend at a distance next to one another and are guided at their ends via driving chain wheels mounted on a drive shaft, and deflecting chain wheels and which possess flight attachments for the transverse ribs, a coupling being incorporated between the stamping-machine drive and the driving chain wheels of flight-attachment chains, wherein the coupling is provided at the end of the drawing-on bench remote from the stamping machine and has

two claw disks which can be engaged positively and non-positively with one another and of which one claw disk is connected fixedly to a drive wheel freely rotatable on the drive shaft of the driving chain wheels and actuated at least indirectly by the stamping-machine drive, and the other claw disk is arranged fixedly in terms of rotation on the drive shaft and is axially displaceable on the drive shaft in one direction under the influence of a spring and in the other direction under the influence of a fluid-actuated cylinder.

Compl. Specn. 15 pages. Drg. 1 sheet.

CLASS : 185-C.

161341.

Int. Cl. A 23 f 3/00.

IMPROVED TEA LEAVES SPREADER.

Applicant : M/s. STEELS WORTH PVT. LIMITED OF 17, GANESH CHANDRA AVENUE, CALCUTTA-700 013, INDIA.

Inventor : SHRI MANGALORE PRABHAKAR PRABHU.

Application No. 1031/Cal/83 filed August 23, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 claims

An improved tea leaves spreader comprising a shaft having two flanges therein, tea leaves spreader vanes mounted between said flanges characterized in that said vanes are in the form of a plurality of angularly disposed vanes and mounted on a core or mandrel wherein the core for mandrel being provided to cover substantially the distance between the said flanges.

Compl. Specn. 6 pages. Drg. 1 sheet.

CLASS : 48-A, C, D.

161342.

Int. Cl. H 01 b 1/00, 3/00.

METHOD OF MAKING A REEL OF A NON-TACKY INSULATED, SELF-BONDABLE ELONGATE CONDUCTORS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: 1. FRANK RICHARD ZICKAR, 2. PAUL VOYTIK.

Application No. 225/Cal/83 filed February 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 claims

A method of making a reel of a non-tacky insulated, self-bondable, elongate conductor, comprising :

- (1) powder coating the elongate conductor with a thermo-settable synthetic organic resin having a cured dissipation factor of less than 20% at 150°C and a resistivity of greater than 10¹² ohms;
- (2) heating the coating on said conductor sufficiently to fuse, flow, and gel it, but insufficiently to take it to the C-stage;
- (3) winding said conductor onto said reel; and
- (4) further optionally unwinding said conductor from said reel, placing strands of said conductor side-by-side, and curing coating to the C-stage.

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 32.

161343.

Int. Cl. C 07 c 125/00.

PROCESS FOR THE PREPARATION OF VINYL CARBAMATES.

Applicant : SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS OF 12, QUAI HENRI IV, 75 181, PARIS, CEDEX 04, FRANCE.

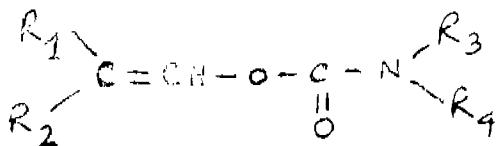
Inventors : 1. ROY ARNE OLOFSON, 2. GARY PAUL WOODEN, 3. JONATHAN THOMAS MARTZ.

Application No. 1163/Cal/83 filed September 23, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 claims

A process for the preparation of vinyl carbamates of formula I of the accompanying drawings,

in which R₁ and R₂ are the same or different and are :

- (1) —hydrogen;
- (2) —alkyl of 1 to 6 carbon atoms which is unsubstituted or substituted by halogen atoms;
- (3) —or R₁ and R₂ together with the carbon atom to which they are attached form a saturated or unsaturated, 6-carbon atom ring;

R₃ and R₄ are the same or different and are :

- (a) —hydrogen;
- (b) —C₁—C₄ alkyl which is unsubstituted or substituted by halogen or cyclohexyl;
- (c) —one of R₃ or R₄ is -(CH₂)₃N(CH₃)₂Cl—
- (d) —a radical of formula III shown in the drawings.

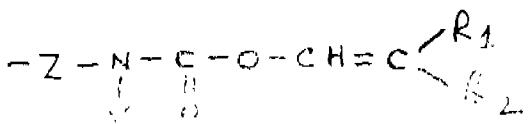
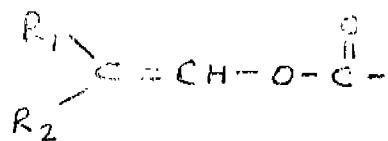


Fig. 3

wherein Z-a chain with 2 to 6 carbon atoms Y=C₁-C₂ alkyl, and R₁ and R₂ are as defined hereinabove, or Z is -(CH₂)₂OCOO (CH₂)₂

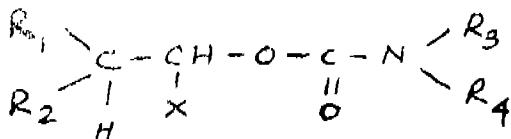
- (e) phenyl which is unsubstituted or substituted by chlorine
- (f) R₃ and R₄ form together with the nitrogen atom to which they are attached a 5 to 6 member heterocyclic ring which is a piperidine, piperazine, benzotriazole, morpholine or guvacoline ring;
- (g) R₃ and R₄ together with the N-atom to which they are attached form a lower N-alkyl piperazine;
- (h) R₃ and R₄ together with the N atom to which they are attached form the horoxycodone or nortropine radical or
- (i) R₃ and R₄ form with the nitrogen atom to which they are attached a 1, 10-diaza, 10-crown-6 ring; or

(j) when R₃ and R₄ together with the N atom to which they are attached form the piperazine or the 1,10-diaza-10-crown-6 ring, both nitrogen atoms of the ring have attached said group of formula as shown in Fig. 1 of the drawings



3

Fig. 1

which consists of heating an α -halogenocarbamate of formula II shown in the drawings.

4

Fig. 2

in which R₁, R₂, R₃ and R₄ have the same meaning as defined hereinabove and X is chlorine or bromine, and when in said compound of formula I R₃ and R₄ are a radical which contains a vinyl carbamate group, the latter is present in said compound of formula II in the form of a saturated carbamate containing a hydrogen atom in the position and X in the position, at a temperature between 80°C and 200°C optionally in the presence of catalyse for a period of time between several minutes up to several hours whereby a halohydric acid is formed and isolating said carbamate of formula (I) from the reaction mixture.

Compl. Specn. 74 pages. Drgs. 5 sheets.

CLASS : 195-C & D.

161344.

Int. Cl. F 16 k 31/00.

A VALVE OPERATOR WITH AN IMPROVED DE-CLUTCH MECHANISM.

Applicant : PHILADELPHIA GEAR CORPORATION, OF SCHUYLKILL EXPRESSWAY, KING OF PRUSSIA, MONTGOMERY COUNTY, PENNSYLVANIA 19406, UNITED STATES OF AMERICA.

Inventors : 1. WALTER JERZY DENKOWSKI, 2. RAYMOND DAVID REGAN.

Application No. 1493/Cal/83 filed December 6, 1983.

Convention dated 17th June, 1983 (430,653) Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A valve operator comprising in combination :

- (a) a shiftable clutch;
- (b) a pivotal fork connected to said clutch for shifting said clutch;
- (c) spring means biasing said clutch in one direction;
- (d) an annular step member;
- (e) first and second latch arms connected to and extending from said fork toward said step member;
- (f) said first latch arm being longer than said second latch arm and abutting against said annular step member, said second latch member being short of abutment;
- (g) a flat on said annular step member;

(h) means for rotating said annular step member whereby said flat comes into alignment with said longer latch arm and allows said first latch arm to move into said flat, said movement being limited by the ensuing abutment of said shorter latch arm against said step member whereby upon further rotation of said annular step member said shorter latch arm comes into alignment with said flat and moves into said flat thereby to allow full pivotal movement of said fork, thereby to complete the shifting of said clutch in the biased direction.

Compl. Specn. 19 pages. Drgs. 4 sheets.

CLASS : 178.

161345.

Int. Cl. 328 d 1/22.

DEVICE FOR CUTTING BLOCKS OF MATERIALS LIKE GRANITE, MARBLE, STONE.

Applicant : ROCAMAT, OF RUE BELLINI, 92800 PUTEAUX, FRANCE.

Inventors : 1. ROGER MARCHAL, 2. LUCIEN JENTET.

Application No. 1531/Cal/83 filed December 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 claims

A device for cutting blocks of materials like granite, marble, stone, comprising :

- a plurality of sawing blades;
- a blade-carrying frame into which atleast two sawing blades are fixed and having slide means for directing horizontal motion of said frame;
- a drive motor unit connected to said blade-carrying frame for displacing said sawing blades in a reciprocating motion;
- a slide-carrying frame of generally rectangular cross-section,
- upright supports,
- a guide unit on each upright support connected to said slide-carrying frame for directing vertical movement of said slide-carrying frame,
- characterized in that said slide means of said blade-carrying frame is adapted to fit within said slide-carrying frame, and further characterized in that there is provided;
- vibration damping means for creating pressure on the top, bottom, and each side of said slide means to urge said slide means away from contact with said slide-carrying frame, thus providing a vibration damped connected between said slide-carrying frame and said blade-carrying frame, whereby propagation of vibrations to the sawing blades is minimized.

Compl. Specn. 13 pages. Drgs. 3 sheets.

CLASS : 33-D.

161346.

Int. Cl. B 22 d 37/00, 39/00.

CONTROL SYSTEM FOR AUTOMATIC LADLING APPARATUS.

Applicant : RIMROCK CORPORATION, OF 1700 RIMROCK ROAD, COLUMBUS, UNITED STATES OF AMERICA.

Inventors : 1. RONALD D. SHRIVER.

Application No. 367/Cal/84 filed May 28, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 claims

A control system for a ladling apparatus for ladling molten metal from a reservoir (F) to a casting apparatus (D) horizontally spaced from the reservoir, the ladling apparatus comprising a ladle transport assembly (50) adapted to transport a ladle dipper horizontally between the reservoir and the casting apparatus, the ladle dipper (L) being adapted to tilt relative to the ladle transport assembly for pouring molten metal into the casting apparatus, the control system comprising first drive means (30) for moving the ladle transport assembly to transport the ladle dipper from the metal reservoir to the casting apparatus, and second drive means (100) for tilting the ladle dipper when the ladle dipper is at the casting apparatus for pouring molten metal into the casting apparatus.

characterised in that the control system further comprises :

adjustable means (220) for setting and storing a plurality of individual speeds for each of the drive means,

switch means (233, 272) for each drive means for successively selecting in each cycle of the apparatus a plurality of different ones of the stored speeds,

drive control means (216) for supplying a speed selected by the switch means to the respective one of the drive means, and

control means (200) for controlling the switch means in response to predetermined inputs.

Compl. Specn. 49 pages. Drgs. 4 sheets.

Class 23-G.

161347

Int. Cl. A 45 c 13, 22, 13, 26.

HANDLE FOR CARRYING OR DRAGGING MOVABLE BOXES OR PACKAGES

Applicant & Inventor : VINODRAI VANRAVANDAS BARCHHA, OF PLOT NO. 9B, (9TH FLOOR), "NEEL KAMAL", 41, ELGIN ROAD, CALCUTTA-700020, WEST BENGAL, INDIA.

Application No. 444/Cal/84 filed June 26, 1984.

Complete Specification left on 24th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A handle having a built-in means for carrying of load, comprising a holding arm defining a gripping portion at the bottom thereof, two ends of the holding arm being bent to form two other arms and at the end of each said other arm flexible hook is integrally formed, each said hook defining an opening in the direction opposed to the said gripping portion, and each said opening being adapted to be enlarged by said flexible hook for access of a string or the like therethrough in use of the handle.

Provisional Specn. 3 pages.

Drg. 2 sheets.

Compl. Specn. 7 pages.

Drg. 3 sheets.

CLASS 63-I; 190-D.

161348

Int. Cl. F 03 d 1'00.

IMPROVEMENTS RELATING TO A WIND MACHINE FOR GENERATING POWER FROM WIND.

Applicant & Inventor : SANTANU ROY, OF 13, NANDA KUMAR CHOWDHURY LANE, CALCUTTA-700006, INDIA.

Application No. 447/Cal/84 filed June 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A wind machine for generating power from wind which comprises in combination a plurality of rotor blades or vanes detachably fixed to a central hub which are set in motion with the impact of air with the blades, the said rotating hub or spindle being directly connected with the armature winding of a dynamo mounted in an axial position in relation to the said spindle, the said armature being set in a core surrounded by coils wound in such a manner that any movement of the armature in an electromagnetic field would generate electricity, conducting means for leading away the electrical energy thus generated, and supporting means on which is mounted the entire arrangement as aforesaid and which is capable of easy displacement.

Compl. specn. 13 pages

Drg. 3 sheets.

CLASS : 116-A & G ; 127-C ; 162

161349

Int. Cl. F 16 h 7/00

METHOD OF MANUFACTURING ROPE SHEAVE.

Applicant : DNEPROPEROVSKY METALLURGICHESKY INSTITUT IMENI L.I. BREZHNEVA, OF DNEPROPETROVSK, PROSPEKT GAGARINA, 4, USSR.

Inventors : 1. PAVEL IVANOVICH PUZYREKOV, 2. OLEG VITALIEVICH SERGIENKO.

Application No. : 465 Cal/84 filed June 30, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

1 Claim

A method of manufacturing a rope sheave, which comprises the steps of mounting a rim on a plane plate, arranging a corrugated web with an opening for a hub inside the rim and concentrically therewith, and attaching the corrugated web to the hub and the rim; use being made of the said corrugated web having their outer and inner diameters less than the inner diameter of the rim and the diameter of the hub, respectively; the corrugated web being secured to the rim by expanding the said corrugated web in a radial direction while increasing its outer and inner diameters respectively until the surface of the corrugated web mates with the inner surface of the rim, with subsequent pressing of the hub in the opening of the said corrugated web.

Compl. specn. 9 pages

Drg. 4 sheets.

CLASS : 69-I ; 89

161350

Int. Cl. G 01 r 1/00.

DIVIDER OF ELECTRICAL SIGNALS FOR USE IN ELECTRICAL MEASURING INSTRUMENTS.

Applicant : INSTITUT KUBERNET IKI AKADEMII NAUK GRUZINSKOI SSR, OF TBILISI, ULISTA C. EULI, 5 USSR.

Inventors : 1. GURAM LEVANOVICH KHARATISHVILI, 2. KHANZERIFA ILINICHNA GAPIRINDASHVILI, 3. VADM EFIMOVICH KOGAN, 4. DZHEMAL IVANOVICH KFKELIA, 5. ALEXEI ALEXEEVICH PRONKIN, 6. NANA ARTEMOVNA SALUKVADZE, 7. GEORGY VALERIANOVICH BAKURADZE, 8. KONSTANTIN KONSTANTINOVICH EVSTROPIEV.

Application No. : 466/Cal/84 filed June 30, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A divider of electrical signals comprising a set of resistive elements provided with current contacts and current collectors

for engagement with any of the current contacts in which the resistive elements are fashioned as bonded into a rigid structure blocks of glass with anionic conductivity and close trends of thermal expansion curves.

Compl. specn. 18 pages

Drg. 4 sheets

CLASS 62-C

161351

INT. CL. D 06 p 1,00

"PROCESS FOR DYEING SILK OR FIBRE BLENDS CONTAINING SILK"

Applicant : CIBA-GEIGY AG, KLYBFCKSTRASSE 141, 4002 BASLE, SWITZERLAND, A SWISS CORPORATION.

Inventor : RUDOLF ROHRER.

Application No. 257/Mas/84 filed April 11, 1984.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

17 Claims

A process for dyeing or printing silk fibres or silk-containing fibre blends with reactive dyes, comprising at least one step of applying to the fibre or fibre blends one or more reactive dye of the formula I shown in the accompanying drawings, wherein D is a radical of a sulfo-group containing dye of the monoazo, polyazo, metal complex azo, anthraquinone, phthalocyanine, formazane, azomethine, diazazine, phenazine, stilbene, triphenylmethane, xanthene, thioxanthone, nitroaryl, naphthoquinone, pyrenequinone or perylenetetracarboximide series :



Formula 1

n is 1 to 4; and

Y is 2, 4-difluoro-5-chloropyrimidin-6-yl or 6-fluoro-5-triazin-4-yl substituted in 2-position by an aryl or alkyl radical or by the radical or an aliphatic or aromatic compound which is bonded through the sulfur atom or through the oxygen atom, or is substituted in 2-position by -NH or by the radical of an aliphatic, heterocyclic or aromatic amino compound which is bonded through the nitrogen atom; Y may be the same or different when n is greater than 1; in aqueous medium in concentrations of 0.1 to 15% at a temperature in the range of 50° to 130°C, and subsequently effecting dye fixation at pH 8 to 11 by methods which are known per se.

(Com.—48 pages; Drawings—43 pages).

CLASS 172-D.

161352

INT. CL. D 01 h 9,00

A TEXTILE MACHINE COMPRISING A PLURALITY OF OPERATING STATIONS AND A SERVICE DEVICE FOR AUTOMATIC SERVICING OF ANY SELECTED ONE OF SAID OPERATING STATIONS

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406, WINTFRTHUR, SWITZERLAND.

Inventors : (1) ANDRE LATTON

(2) JURG BISCHOFBERGER

(3) ERNST ENGELI

(4) GUNTHER GARTNER

(5) WALTER SLAVIK

(6) GERARD DAVAUD.

Application No. 367/Mas 84 filed May 19, 1984.

Convention date 24th May 1983 (No. 8314305) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

71 Claims

A textile machine comprising a plurality of operating stations and a service device for automatic servicing of any selected one of said operating stations, the servicing device having drive means operable to cause movement of the service device relative to the stations, and locating means being provided at each operating station to co-operate with signal generating means on the service device for controlling the drive means to bring the service device and any selected station into alignment without interfering with the movement of the service device relative to the station and the service device further having releasable securing means operable after the service device and a selected station have been brought into alignment to prevent further movement of the service device relative to the stations.

Comp. 87 pages; Drgs. 12 sheets.

CLASS 16 D, & 98 I.

161353

INT. CL. : G 02 b 27,40

FOCUSING SOLAR COLLECTOR

Applicant & Inventor : GARRETT MICHAEL SANSBURY, an Australian Citizen, of 10 Waratah Avenue, Dalkeith, in the State of Western Australia, Commonwealth of Australia.

Application No. 375 MAS/84 filed May 24, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

12 Claims

A focusing solar collector comprising a substantially hemispherical reflector, a collecting arrangement supported above the reflector to be pivotable about the centre of curvature of the reflector, said collecting arrangement comprising a caustical conical concentrator located at one end of the said collecting arrangement and at the focus of the hemisphere, and a collector located at the other end of the said collecting arrangement and at the centre of curvature of the hemisphere, the one end of said collecting arrangement being slidably supported on a part circular support pivotally mounted at one point to the reflector below the centre of curvature of the reflector and slidably supported by said reflector at a second point spaced from said one point to be movable along a circular horizontally disposed path around said reflector, a first drive means provided to maintain the collecting arrangement at a declination corresponding to the declination of the sun and second drive means to cause rotation of said part circular support to maintain the inclination of the collecting arrangement in correspondence to the inclination of the sun.

Complete specification 18 pages Drg. 5 sheets

CLASS : 172-D₄

161354

Int. CL. : D 01 h 1/18; 9/02.

DEVICE FOR LIFTING A WOUND PACKAGE

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406, WINTERTHUR, SWITZERLAND.

Inventor : PETER SCHWENGELE.

Application No. 384/Mas/84 filed May 25, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 claims

Apparatus for lifting a wound package from a drive roll serving for drive thereof on a textile machine, comprising a support member (17) secured to a machine wall, said member carrying pivotable long arms (14) supporting the wound package each arm (14) secured to one end of a short arm (21), the other end of the said short arm is connected to compression spring (24), below the said support member a piston and cylinder device is connected to the machine wall in which a piston rod (27) has at its end remote from the piston (26) a support member (29) a lead (32) for pressurized hydraulic or pneumatic fluid is provided which opens into the cylinder (25) via a closure member (34) and an end remote from the support member (29), a second lead (33) is provided which opens into the cylinder (25) at an end adjacent to the support member (29).

Compl. 13 pages; Drgs. 2 sheets.

CLAS : 172 D₄

161355

Int. CL. : D 81 h 7/00.

METHOD AND APPARATUS FOR FALSE TWIST SPINNING

Applicant : MASCHINENFABRIK RIETER AG. A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors : (1) HERBERT STALDER AND (2) EMIL DRINER.

Application No. 387. MAS/84 filed May 25, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

34 claims

A method of false twist spinning comprising the steps of :

drafting a fiber sliver to a desired yarn count in a drafting mechanism having a delivery roller pair and delivering the drafted fiber sliver from the delivery roller pair of the drafting mechanism; sucking the delivered drafted sliver in a spirally into a converging passage and thereafter taking up such sucking-up drafted fiber sliver by a false twist member; twisting a part of the drafted fiber sliver to form a false twisted rotating yarn core with the formation of a spinning triangle by means of the false twist member; the improvement which comprises the steps of;

delivering the drafted fiber sliver from the delivery rollers with only a part of the width of the drafted fiber sliver entrained by the spinning triangle and twisted to the false-twisted rotating yarn core; and sucking up and guiding by means of a suction air-stream edge fibers which are not entrained by the spinning triangle whereby, as viewed in the direction of travel of the yarn core, the front end of a fiber of the edge fibers, which fiber has length corresponding to the average length of the processed fibers is entrained by the rotating yarn core while assuring that this fiber only leaves a nip line of the delivery roller pair after it has been twisted about the yarn core and after it has been entrained in the spinning triangle, whereby the rear end of the fiber is bound into the yarn core.

Compl. Specification 31 pages, Drgs. 5 sheets.

CLASS : 24 F.

161356

Int. CL. : F 16 d 65/12.

IMPROVEMENTS IN VEHICLE DISC BRAKES OF THE LIQUID COOLED TYPE.

Applicant & Inventors : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM-10, ENGLAND.

Application No. 411/MAS/84 filed June 5, 1984.

Convention date 14th June, 1983 (8316025) U.K., 17th June, 1983 (8316548) U.K., 1st November, 1983 (8329159) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

27 claims

A disc brake of the kind set forth in which the lining of friction material is separated into inner and outer annular rings by a single annular groove, substantially coaxial with the axis of rotation of the rotatable friction braking member, said groove acting as a reservoir for cooling liquid, throttling means are provided for throttling the flow of liquid across the braking faces of the rings, and reservoir supply flow grooves are provided in the inner ring to replenish the cooling liquid of the annular groove, at least some of the reservoir supply flow grooves extending in a radial direction from the inner peripheral edge of the inner ring to at least the single annular groove.

Compl. Specn. 20 pages, Drgs. 6 sheets.

CLASS : 39 G.

161357

Int. Cl. : C 01 f 11/20.

A REVERSIBLE LIQUID-SOLID PHASE CHANGE COMPOSITION FOR STORING THERMAL ENERGY.

Applicant : THE DOW CHEMICAL COMPANY, OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A. A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE.

Inventors : (1) GEORGE A. LANE (2) HAROLD F. ROSSOW.

Application No 428/MAS/84 filed June 12, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 claims

A reversible liquid solid phase change composition having temperature of from 7° to 50°C for storing thermal energy comprising an admixture of 20 to 67 weight percent of hydrated CaBr₂; from greater than zero to 38 weight percent of hydrated CaCl₂; from 28 to 50 weight percent water, wherein said mixture has added thereto a modifier selected from KBr, KCl and mixtures thereof, said modifier being added in an amount greater than zero to less than 10 weight percent to modify the semicongruent melting behaviour of the hydrated CaBr₂/CaCl₂ mixture to reduce the formation of crystalline CaBr₂/CaCl₂ hydrate phases other than the hexahydrate phase.

Compl. Specn. 24 pages, Drgs. Sheet nil.

CLASS : 139 D.

161358

Int. Cl. : C 01 b 1/16.

AN IMPROVED PROCESS FOR THE PRODUCTION OF HYDROGEN FROM SULPHUR CONTAINING HYDROCARBONS.

Applicant : LINDE AKTIENGESELLSCHAFT OF ABBA-HAMLINCOIN-STRASSE, 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HANS JUNGFER, 2. OLAF BRAUER.

Application for Patent No. 432/Mas/84 filed on 13th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 claims

In a process for the production of hydrogen from sulfur containing hydrocarbons; wherein hydrocarbons are subjected to

a partial oxidation to form a synthesis gas containing H₂, CO, CO₂, H₂S and COS, the resulting gaseous fraction is subjected to a CO shift conversion with steam, before or after which the said gases are removed by absorption, in the first absorption stage the improvement which comprises removing sulfur compounds in a first absorption stage with a known organic, physical solvent, subjecting the desulfurized gas to a selective catalytic CO oxidation step with oxygen, the catalyst such as herein described employed in said step being effective for the selective oxidation of CO to CO₂, in the presence of hydrogen, and then subjecting the resultant desulfurized CO-depleted gas to a second absorption stage with a known organic, physical solvent to remove the CO₂ yielding the purified hydrogen and wherein the solvent form the second absorption stage, charged with CO₂ is used partly for absorption of the sulfur compounds in the first absorption stage.

Compl. Specn. 14 pages, Drgs. 3 sheets.

CLASS : 197 & 172 D4.

161359

Int. Cl. : D 01 h 11/00.

A CLEANING STRIPPER FOR CLEANING A CYLINDER IN A TEXTILE MACHINE.

Applicant : GALIPAG. OF RESPNHUBEN, 8500 FRAUNFELD, SWITZERLAND, A SWISS BODY CORPORATE.

Inventor : (1) HERMANN GASSER.

Application No. 441/Mas/84 filed June 16, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 claims

A cleaning stripper for cleaning a cylinder in a textile machine, the cleaning stripper including a holding rail and elongate stripping means attached to the holding rail, the holding rail having an elongate cavity and the stripper means having a holding part engaged, over the length of the stripper means, in the cavity.

Compl. Specification 11 pages, Drg. 1 sheet.

CLASS : 150 D.

161360

Int. Cl. : F 16 L 55/00, B 21 c 37/08

DEVICE FOR WELDING TOGETHER ALIGNED TUBES.

Applicant : INGENIEURSBUREAU A.P. VAN DEN BERG B.V. A NETHERLANDS LIMITED LIABILITY COMPANY, OF 4 IJZERWEG, 8445 P. K. HEERENVEEN, THE NETHERLANDS; AND MANTRA TUBE LTD, A BRITISH LIMITED LIABILITY COMPANY OF P.O. BOX 122, ST. PETER PORT, GUERNSEY (C.I.), GREAT BRITAIN.

Inventors : ARIE PIETER VAN DEN BERG.

Application for Patent No. 459/Mas/84 filed on 26th June, 1984.

Convention Date on 19th January 1984, No 445 608. (Canada)

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) The Patent Office, Madras Branch

15 claims

A device for welding together aligned tubes characterized in that a cage the inner traverse dimension of which being substantially larger than that of the tubes, mutually aligned tube guiding sleeves are provided at or near both extremities of the cage with each sleeve having a clamping means, coaxial circular guides are provided on the said sleeve in a plane perpendicular to the longitudinal axis of the cage, guides carriages or slides of the welding electrode fittings for movement along said circular guides said carriages or slides are provided with means for adjusting the electrodes in respect of the welding seam.

Compl. Specn. 12 pages, Drgs. 3 sheets.

CLASS : 40F.

161361

Int. Cl. : C 01 b 27/00, C 22 b 33/00.

PROCESS FOR THE PREPARATION OF ARSENIC BY SEPARATION FROM ACID SOLUTIONS CONTAINING IT.

Applicant : SAMIM SOCIETA AZIONARIA MINOROMETALLURGICA S.P.A., A COMPANY ORGANIZED UNDER THE LAW OF THE ITALIAN REPUBLIC OF PLE F. MATTEI 1—ROME, ITALY.

Inventors : (1) RENATO GUERRIERO (2) GIUSEPPE VERONESE, (3) AGOSTINO BARADFL AND (4) LUIGI RIVOLAI.

Application No. 462/MAS/84 filed June 26, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) The Patent Office, Madras Branch.

9 claims

A process for the preparation of arsenic by separation from acid aqueous solutions containing arsionic and other metals, characterised in that the sulphuric acid aqueous solution is placed in contact with water immiscible alcohols including mixtures of these alcohols having 6 to 13 carbon atoms to extract the arsenic therefrom the said arsenic being re-extracted from the said alcoholic extract by means of a counter solvent chosen from 1-normal solution of NaDH, neutral aqueous solutions such as herein described having a PH of 7 and 0.1 molar solution of H₂S D₄.

Compl. Specn. 10 pages. Drgs. sheet nil.

CLASS : 117 A&B.

161362

Int. Cl. : H 01 h 19/00.

A MANUAL ACTUATING DEVICE FOR ENCLOSED ELECTRICAL SWITCHES.

Applicant : AKTIESELSKABET LAUR. KNUDSEN, NORDISK FLEKTRICITETS SELSKAB, OF HARALDSGADE 53, DK 2100 COPENHAGEN OE, DENMARK A DANISH COMPANY.

Inventors : ALBERT DENEKE AND KURT FLEMING LINDEGAARD PEDERSEN.

Application No. 465/MAD/84 filed June 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) The Patent Office, Madras Branch.

6 claims

A manual actuating device for an electrical switch which is built into a cubicle and is activatable, by means of a handle mounted on an openable door, via a rotatable switch axle, the actuating device comprising a first coupling member rotatably mounted in the door and fixedly connected to the handle and a second coupling member mounted on the switch axle, the two coupling members being adapted to engage with each other when the door is closed and comprising mutually cooperating guiding surfaces which facilitate the insertion of one coupling member into the other during adjustment of differences of position by misalignment compensating means, blocking means being provided for preventing opening and closing of the door while the switch is connected, the second coupling member comprising an engaging member cooperating with the first coupling member and a mounting member fixedly mounted on the switch axle, the engaging member and the mounting member being mutually connected by means of the misalignment compensating means permitting the engaging member to adjust in each direction perpendicular to the axis of the switch axle.

Compl. Specn. 11 pages. Drgs. 2 sheets.

CLASS : 107G.

161363

Int. Cl. : F 02 b 39/10.

ANGULAR POSITION DETECTOR

Applicant and Inventor : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, OF GREAT KING STREET, BIRMINGHAM B19 2XF, ENGLAND, A BRITISH COMPANY.

Application No. 475/MAS/84 filed July 2, 1984

Convention dated 2nd July, 1983 (8318008) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) The Patent Office, Madras Branch.

4 claims

An angular position detector comprising a toothed wheel having a missing tooth, a sensor device producing a pulse train as the teeth of the toothed wheel pass it, and a discriminating circuit connected to said sensor device and producing a datum signal in response to recognition of the passage past the sensor device of the missing tooth by measuring the time intervals between the pulses of said pulse train characterised in that said discriminating circuit includes means for measuring the duration of each interval and operates to compare each interval with the previous one recognising said missing tooth by detecting where an inter-pulse interval is significantly shorter than the proceeding interval.

Compl. Specn. 8 pages. Drgs. 2 sheets.

CLASS : 140—A2.

161364

Int. Cl. : C 10 G 13/00, 37/00.

A PROCESS FOR PREPARING A HIGH QUALITY LUBE BASE STOCK OIL FROM WAXY CRUDE OIL.

Applicant : MOBIL OIL CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF 150 EAST 42ND STREET, NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventor : WILLIAM EVERETT GARWOOD, WILLIAM CHARLES STARR, JOHN WESLEY WALKER.

Application No. 476/MAS/84 filed July 2, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) The Patent Office, Madras Branch.

9 claims

(1) A process for preparing a high quality lube base-stock oil from waxy crude oil, which process comprises :

(a) extracting a waxy crude oil distillate fraction that boils within the range of from 316°C to 593°C (600°F—1100°F), or a deasphalted short residuum fraction of said waxy crude oil, with an aromatic hydrocarbon solvent in order to yield a wax containing raffinate;

(B) mixing the wax-containing raffinate with hydrogen and contacting the mixture at a temperature of 260°C to 357°C (500°F—675°F) with a dewaxing catalyst comprising an aluminosilicate zeolite having a silica/alumina ratio of at least 12 and a constraint index of from 1 to 12 with or without a hydrogenation metal to thereby convert wax contained in the raffinate to lower boiling hydrocarbons; and

(c) cascading the dewaxed raffinate to a hydrotreating zone wherein the dewaxed raffinate is contacted in the presence of hydrogen with a hydrotreating catalyst comprising a hydrogenation component on a non-acidic support such as hereinbefore described at a temperature from 329°C to 371°C (625°F—700°F) to hydrotreat said dewaxed raffinate so as to partially desulfurize said dewaxed raffinate to

the extent of 30-90% desulfurization to thereby produce a lube basestock oil with higher viscosity index than the dewaxed raffinate and with less than 5 weight percent loss of yield in the lube range.

Compl. Specn. 24 pages. Drgs. 2 sheets.

CLASS : 63-I & 133-A.

161365

Int. Cl. H 02 m 5/00.

ALTERNATING-CURRENT MACHINE DRIVE WITH HARMONIC BY-PASS.

Applicant : BBC BROWN, BOVERI & COMPANY LIMITED, OF CH-5401, BADEN SWITZERLAND, A SWSIS COMPANY.

Inventors : (1) FRANZ PENEDEK, (2) VOJEN SUCHANEK.

Application No. 490/Mas/84 filed July 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) The Patent Office, Madras Branch.

10 claims

An alternating-current machine drive with harmonic bypass in particular a synchronous motor drive, including a multiphase alternating-current machine (M), which is connected via alternating-current lines (2) to a frequency converter (1) which generates an alternating current with a predetermined, variable frequency, characterised in that; a frequency variable filter (6) having a response frequency and connected as a bypass to the alternating-current machine (M) for the purpose of filtering out at least one harmonic of the alternating current and means for varying the resonance frequency of said filter as a function of the variable frequency of the current generated by said frequency converter.

Compl. Specn. 12 pages; Drg. 1 sheet.

CLASS : 32 F 3 d.

161366

Int. Cl. : C 07 c 49/72.

PROCESS FOR THE PRODUCTION OF BENZANTHRONE.

Applicant : CIBA-GEIGY AG, A SWISS CORPORATION, OF KLYBECKTRASSE 141, 4002 BASLE, SWITZERLAND.

Inventors : 1. MARTIN BURLI, 2. JACQUES BERSIER, 3. ERIC PLATTNER, 4. HANS-ULRICH HERRMANN.

Application for Patent No. 491/Mas/1984 filed on 6th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) The Patent Office, Madras Branch.

6 claims

A process for the production of benzanthrone by reacting anthraquione with glycerol and/or acrolein in the presence of a reducing agent in concentrated sulfuric acid as reaction medium, wherein anthrone is used as reducing agent and the reaction is carried out in a temperature range from 100° to 200°C, and the benzanthrone thus formed is then precipitated by addition of water, isolated by filtration, washed with water and dried.

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 15 D

161367

INT. CL. : F 16 c 33/00, 35/00

SUPPORT DISC BEARING

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT a German Company, of Friedrich Ebert-Strasse 84, 8070, Ingolstadt, Germany.

Inventor : (1) RUDDLE OEXLER (2) HANS LANE WEHRKAMP AND (3) KURT BEITZINEGER.

Application No. 866/MAS/84 filed November 13, 1984.

Appropriate office for opposition proceedings Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

11 Claims

A support disc bearing, in particular for the shaft of an open-end spinning rotor, the shaft being mounted in a V-gap formed by support discs, and the support discs having a bearing surface of a resilient layer against which the shaft is pressed, characterized in that the bearing surface has at least one break which is formed by a recess which is bridged by the line of contact of the rotor shaft.

Complete specification 10 pages Drg. one sheet.

CLASS : 158 E1 & 134 C.

161368

Int. Cl. : B 61 d 15/00; B 62 d 23/00.

FRAMELESS SELF-STEERING RADIAL WHEELED VEHICLE.

Applicant : STANDARD RESEARCH AND DESIGN CORPORATION, 865 BUSSE HIGHWAY, PARK RIDGE, ILLINOIS 60068, U.S.A. A U.S. CORPORATION.

Inventors : ROBERT L. BULLOCK.

Application No. 906/Mas/84 filed November 22, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

26 claims

A frame less self-steering radial wheeled support vehicle for a railroad car body comprising :

- (a) a pair of wheelsets.
- (b) a support at opposite ends of each wheelset for independently mounting a car body on each end of the wheelset,
- (c) resilient means for mounting each support upon an end of a wheelset, which resilient means permits both lateral and yaw movement of wheelset relative to its supports, and
- (d) a linkage connecting adjacent ends of each wheelset and constraining the wheelsets to yaw in opposite sense and permitting lateral movement of one wheelset relative to the other.

Compl. Specn. 21 pages. Drg. 1 sheet.

CLASS : 32 F2 b.

161369.

Int. Cl. C 07 d 27/62.

"A PROCESS FOR THE PREPARATION OF N-ACETYLY-5 HYDROXY-TRYPTAMINE FROM 5-HYDROXY-TRPTAMINE.

Applicant : SOCIETE DES PRODUCTS NESTLE S.A. OF CASE POSTALE 353, 1800 VEVEY SWITZERLAND. A COMPANY INCORPORATED IN SWITZERLAND.

Inventors : RAYMOND DERTHOLET, PIERRE HIRSBRUNNER.

Application for Patent No. 453/Mas/85 filed on 19th June, 1985.

Division of Application No. 346/Mas/84 dated 10th May 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 claims

A process for the preparation of N-acetyl-5-hydroxytryptamine wherein 5-hydroxytryptamine is acetylated by conventional means to form N, O-diacetyl-5-hydroxytryptamine which is then treated with an alkaline mixture of water and a lower alcohol with 1 to 4 carbon atoms and having a boiling point below 100°C and to selectively hydrolyse the O-acetyl group of the N, O-diacetyl serotonin at a temperature from 15°C to 50°C and a pH above 11 to give N-acetyl-5-hydroxytryptamine.

Compl. Specn. 4 pages.

CLASS : 32 F 2 b.

161370

Int. Cl. C 07 d 27/62.

A PROCESS FOR THE PREPARATION OF N-ACETYL-5-METHOXYTRYPTAMINE FROM N-ACETYL-5-HYDROXYTRYPTAMINE.

Applicant : SOCIETE DES PRODUITS NESTLE S. A. OF CASE POSTAL 353, 1800 VEVY SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventors : RAYMOND BERTHOI ET. 2. PIERRE HIRSBRUNNER.

Application for Patent No: 454/Mas/85 filed on 19th June, 1985.

Division of Application No. 846/Mas/84 filed 10th May 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 claims

A process for the preparation of N-acetyl-5-methoxytryptophan hydrochloride wherein N-acetyl-5-methoxytryptamine is methylated in the 5-position in the presence of excess methylating agent at a pH above 11 and at a temperature no higher than 45°C to give N-acetyl-5-methoxytryptamine.

Compl. Specn. 4 pages. No drg.

CLASS : 32 F 2 b.

161371

Int. Cl. : C 07 d 27/62.

A PROCESS FOR THE PREPARATION OF 5-METHOXYTRYPTAMINE HYDROCHLORIDE.

Applicant : SOCIETE DES PRODUITS NESTLE S.A. OF CASE POSTALE 353, 1800 VEVY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventors : RAYMOND BERTHOI ET. PIERRE HIRSBRUNNER.

Application for Patent No. 455/Mas/85 filed on 19th June, 1985.

Division of Application No. 346/Mas/84 dated 10th May 84.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) The Patent Office, Madras Branch.

5 claims

A process for the preparation of 5-methoxytryptamine hydrochloride wherein N-acetyl-5-methoxytryptamine is deacetylated in a hot alkaline solution containing a substantially water-insoluble alcohol such as hereinbefore described, washed with water after which the alcohol phase is separated from the aqueous phase and, acidified with hydrochloric acid to give 5-methoxytryptamine hydrochloride.

Compl. Specn. 5 pages. Drg. nil.

OPPOSITION PROCEEDINGS

An opposition has been entered by M/s. IDL Chemicals Limited to the grant of a Patent Application No. 157944 made by Santa Barbara Research Center as notified in the Gazette of India, Part III, Section 2 dated 11-4-87 has been withdrawn and ordered that the application for Patent to be sealed.

PATENTS SEALED

156988 157065 157818 158154 158170 158171 158236 158237
158240 158260 158266 158269 158271 158272 158277 158278
158279 158280 158281 158301 158302 158303 158304 158305
158306 158307 158308 158309 158310 158311 158312 158313
158315 158316 158317 158322 158331 158333 158334 158364
158369 158381 158396 158403 158406

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that the Metallgesellschaft Aktiengesellschaft, of Rennerweg 14, D-6000 Frankfurt am Main Federal Republic of Germany, a corporation organized under the laws of the Federal Republic of Germany have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 160853 for "Process of afterburning and purifying process exhaust gases". The amendments are by way of correction. The amendments and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

Notice is hereby given that Fidia S.p.A., of Via Ponte Delhi Fabbrica 3/A, 35931 Abano Terme (Padova), Italy an Italian Organisation have made an application under section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 161176 for "process for preparing new Coimarin derivatives". The amendments are by way of defining the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

140475 141959 142056 142995 143376 143625 143912 144152
144647 144859 145478 145796 145817 146748 146882 147069
147585 147754 148946 149028 149188 149198 149273 149488
149778 149875 150102 150319 150329 150628 151372 151687
151853 152069 152157 152340 152357 152362 152428 152825
153097 153134 153193 153275 153288 153352 153608 153712
153882 154055 154229 154547 154804 154882 155791 155842
156021 156092 156301 156613 156647 156768 156831 156870
156935 156996 157217 157219 157235 157238 157239 157306
157329 157530 157879 158127 158178 158213 158267 158268

CESSATION OF PATENTS

140810 140811 140812 140813 140814 140816 140818 140819
 140822 140823 140824 140825 140833 140834 140847 140848
 140849 140850 140852 140855 140857 140859 140862 140866
 140873 154852 154921 154922

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.
DESIGNS

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following cases. The number of each case is followed by the names of the applicants for registration.

144864.
 144865.
 144866.
 144867,
 152715 &
 152716

AFCO INDUSTRIAL & CHEMICALS
LIMITED.

CANCELLATION PROCEEDINGS
(SECTION 51A)

An application made by ELCOM for cancellation of the registration of Design Nos. 157545 & 157546 in Class No. 3 in the name of Om Industries have been filed.

REGISTRATION OF DESIGNS

The following design have been registered. They are put open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 157895. Special Machines, whose address is Bye-Pass, Kunjpura Crossing, Kalna-132001, Haryana State, India, an Indian Proprietorship Firm, "Wire Feeder". 20th January, 1987.

Class 1. No. 158215. Bajaj Auto Limited, Akurdi, Pune-411035, Maharashtra, India, an Indian Organisation, "Two Wheelers such as Scooters". 10th April, 1987.

Class 1. No. 158409. Suraj Industries, 31-Galaxy Comm. Centre, Jawahar Road, Rajkot-360001, Gujarat, India, a registered Partnership firm, "Crusher Plate". 9th June, 1987.

Class 1. No. 158410. Suraj Industries, 31-Galaxy Comm. Centre, Jawahar Road, Rajkot-360001, Gujarat, India, a Registered Partnership Firm, "Crusher". 9th June, 1987.

Class. 3. No. 158214. Bharat Petroleum Limited, an Indian Company, of Bharat Bhawan, Ballard Estate, Post Box No. 688, Bombay 400038, Maharashtra, India, "Cap for L.P.G. Cylinder". 9th April, 1987.

Class 3. No. 15825. ATEA, naamlozo Venootschap, a body corporate organised and existing under the laws of Belgium, of Industriepark Klein Cent., 2410 Harenleis, Belgium, "Telephone Unit". 16th April, 1987.

Class. 3. No. 158273. Modi Rubber Limited, an Indian Company of Modinagar, Uttar Pradesh, India, "Tyre for a vehicle wheel". 28th April, 1987.

Class. 3. No. 158275. Modi Rubber Limited, an Indian Company of Modinagar, Uttar Pradesh, India, "Tyre for a vehicle wheel". 28th April, 1987.

Class. 3. No. 158434. Prakash Deep Pvt. Ltd., an Indian Ltd., Company of Plot No. 67C, Sector B, Sirgittin Industrial Area, Bilaspur-495004, (M.P.), India, "Miner's Cap Lamps". 16th June, 1987.

Class. 4. No. 158090. Supriya Wonderwood Pvt. Ltd., an Indian Company incorporated under the Companies Act, 1956, Carrying on business at 160/64, Sant Tukaram Road, Bombay-400 009, Maharashtra, India, "Fence Module". 5th March, 1987.

Class 4. No. 158091. Supriya Wonderwood Pvt. Ltd., an Indian Company incorporated under the Companies Act, 1956, Carrying on business at 160/64, Sant Tukaram Road, Bombay-400 009, Maharashtra, India, "Module (Octogonal shape) being a Component for a Fence". 5th March, 1987.

Class 4. No. 158092. Supriya Wonderland Pvt. Ltd., an Indian Company incorporated under the Companies Act, 1956, Carrying on business at 160/64, Sant Tukaram Road, Bombay-400 009, Maharashtra, India, "Flower Tray-cum-Tray Holder". 5th March, 1987.

Class. 4. No. 158093. Supriya Wonderwood Pvt. Ltd., an Indian Company incorporated under the Companies Act, 1956, Carrying on business at 160/64, Sant Tukaram Road, Bombay-400 009, Maharashtra, India, "A Fence Cap". 5th March, 1987.

Class 4. No. 158094. Supriya Wonderwood Pvt. Ltd., an Indian Company incorporated under the Companies Act, 1956, Carrying on business at 160/64, Sant Tukaram Road, Bombay-400 009, Maharashtra, India, "A Fence". 5th March, 1987.

R. A. ACHARYA
Controller General of Patents,
Designs and Trade Marks.

